

UFSP

UniFi Full Stack Professional (UFSP) is a half-day introduction course intended to precede & complement other specialized training courses on the UniFi platform (UWA, URSCA & UPSA). Using Cloud Gateway devices, students train on the UniFi “full stack” of software applications available to technical professionals seeking futureproof enterprise solutions in the dynamically changing IT world.



Course Outline

UniFi Overview

- Global Site Manager
- Admin & User Management
- Cloud Gateways
- SD-WAN & Site Magic

Site Manager & Admins

Cloud Gateways

UniFi Applications

- UniFi Network
- UniFi Protect
- UniFi Access
- UniFi Connect
- UniFi Identity
- UniFi Design Center

UniFi Identity

URSCA

The UniFi Routing, Switching & Cybersecurity Admin (URSCA) training course is a 2-3 day classroom training course intended to teach the fundamentals when designing, building & managing an enterprise network. Complete with hands-on lab activities using UniFi's powerful Cloud Gateway and related hardware.



Course Outline

Network Theory

- OSI, TCP/IP & Server-Client Models
- Transport Layer Protocols & Ports
- Network Interface Types
- IPv4/IPv6 Communication Types
- Address Resolution Protocol & IPv4
- Neighbor Discovery Protocol & IPv6

Network Design

- Broadcast & Collision Domains
- LAN/WAN Network Hierarchy
- Bridges vs. Switches vs. APs vs. Routers
- High-Availability, WAN Failover & Load-Balancing
- Virtual LANs & Port Tagging
- IPv4 Addressing & Subnetting
- IPv6 Addressing

Switching

- MAC Tables & Switch Behavior
- Spanning Tree Protocol
- Port Isolation
- Link Aggregation
- Port Security, 802.1X & RADIUS
- Access Control Lists

Routing

- Routing Fundamentals
- Static Routing
- Policy-Based Routing
- Dynamic Routing
- OSPF
- BGP (Coming Soon)

Services

- DHCPv4/v6
- DNS
- NAT
- Firewall
- QoS & Traffic Shaping
- Tunneling, Remote User & Site-to-Site VPNs

Cybersecurity

- Best Practices & Secure Management Access
- Network Malware & Threat Detection
- Intrusion Detection & Prevention System (IDS/IPS)
- Cryptography
- Device & Traffic Identification
- Remote Logging & Access